

Abstract

Bidirectional hydraulic pump that comprises a hydraulic
5 body (1) comprising an inlet port (2) from which receives
a water flow, a first outlet port (3) and a second outlet
port (4); an impeller housed in said hydraulic body (1),
which causes the water flow to move in either one
direction or the other; and a valve body (5) that
10 surrounds the impeller. The valve body (5) comprises at
least one orifice (6) and said valve body (5) is slidable
on the internal surface of the hydraulic body (1) in one
direction or the other, due to the action of the water
flow, between a first position wherein the orifice (6) is
15 aligned with the first outlet port (3) and a second
position wherein the orifice (6) is aligned with the
second outlet port (4).